

Form PTO-1449		ATTY DOCKET NO. 0445-0311P		APPLICATION NO. 09/986,370				
<div>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</div> <div>Use several sheets if necessary)</div> <div><div>PTO-1449</div><div>MAY 02 2003</div></div>		APPLICANT Kaoru SHIBATA et al.						
		FILING DATE November 8, 2001		GROUP 1773				
U.S. PATENT DOCUMENTS								
EXAMINER INITIALS	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS SUB CLASS	FILING DATE IF APPROPRIATE		
DSN	US 6,117,553		2000-09-12	Hayashida et al.	428 412			
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FOREIGN PATENT DOCUMENTS								
	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS SUB CLASS	TRANSLATION YES NO	
DSN	DE	19749765	A1	1998-06-10	GERMANY			
DSN	EP	0488179	A1	1992-06-03	EPO			
DSN	EP	0524572	A1	1993-01-27	EPO			
DSN	EP	0947542	A1	1999-10-06	EPO			
OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.								
EXAMINER J. Sakurai					DATE CONSIDERED 8/25/03			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

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**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

APPLICANT
Kaoru Shibata et al.FILING DATE
November 8, 2001GROUP
1773

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
DSN	US 4,339,495		1982-07-13	Weiner	428	349	
DSN	US 4,294,889		1981-10-13	Hashimoto	428	515	
	US						
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	US						
	US						

FOREIGN PATENT DOCUMENTS

	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
								YES	NO
DSN		EP 0 210 750	A2	1987-02-04	EPO	—	—		
DSN		EP 0 301 773	A2	1989-02-01	EPO	—	—		
DSN		EP 0 597 502	A2	1994-05-18	EPO	—	—		

OTHER DOCUMENTS

(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.

DSN	Abstract of JP 4328144A, November 17, 1992.
DSN	Abstract of JP 9003273A, January 7, 1997.
DSN	Abstract of JP 4334449A, November 20, 1992.
DSN	Abstract of JP 56005842A, January 21, 1981.

EXAMINER

D. Soralanni.

DATE CONSIDERED

8/25/03

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GMD